Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No: Second and Part Bill Date.....20

Division: **Project Division** Sub-Division: **Project Division**

Bill Received No. Dated Divisional / Sub Divisional Cash Book Voucher No..... Dated.....

Work Code: 005-21-000015

Schedule Docket No. Head of Account: Est.Cost- **100.00 Lakhs**

Name of Work: **Construction Of Ward Office Additional Work, Furniture Etc In Ward No.05, Byatarayanapura.**

Name of Contractor and Full Address : **Sri. S K Keshavamurthy #104, Sampigehalli, Jakkur Post, Bangalore-560064**

Reference to Agreement No: EE(Project)/Ynk Zone/WO/175/2020-21 Date: 05-01-2021

Certified that the measurements were taken by me on 6/3/23 and recorded of Pages 637229-637241 of measurement Book No. 18/20-21(6373) and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 6/3/23 and found correct. The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Uttodali - 8147262-00
Devidu - 6774462-00

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being .....percent Rs.....
3) " Balance
4) Deduct Payment:
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... towards cash advance recovery of
   b) Payments Now made { cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
7) Net amount due to or from Contractor
8) Advance to Contractor for materials brought to site (as detailed) within.
9) Value of Government materials supplied.

Amount adjusted

DD	13800-00
Uttodali	12300-00
Devidu	12300-00
LR	5000-00
CBF	1400-00
Devidu	13800-00
unadjustments items.	28000-00
	86600-00
Total amount adjusted -	1286200-00

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

(For use in the Office)

Witness
1.
2.
Dated Signature of Contractor

Stamp

Head of Account..... P 3801 .....
Audited & admitted for Rs. 1372800-00 .....
.....
1286200-00 .....
.....by Cheque
and Rs. 86600-00 by Adjustment

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....

Initials of Officer making payment

Executive Engineer

Acct. Clerk, Project Division
Acct. Supdt., Project Division, B.B.M.P.
Exe. Engineer, Project Division, B.B.M.P

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

Client	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

ABSTRACT

Item no	Description of work	Unit	Qty as per Quoted Rate			Previous			Present			Total Upto Date	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
1	Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications and directions of Engineer incharge of work.	Sqm	162.50	517.01	84011.00	189.075	517.01	97753.67	0.00	517.01	0.00	189.08	97753.67
2	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.complete as per specifications and directions of Engineer incharge of work.	Sqm	448.69	453.51	203485.00	386.1	453.51	175100.21	0.00	453.51	0.00	386.10	175100.21
3	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications and directions of Engineer incharge of work.	Sqm	15.78	856.01	13507.00	13.83	856.01	11838.62	0.00	856.01	0.00	13.83	11838.62
4	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications and directions of Engineer incharge of work.	Sqm	158.84	331.06	52586.00	198.55	331.06	65731.96	0.00	331.06	0.00	198.55	65731.96
	Quantity Above 125%	Sqm				14.863	331.06	4920.62	0.00	331.06	0.00	14.86	4920.62

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Item no	Description of work	Unit	Qty as per Quoted Rate			Previous			Present			Post Upgrade	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
5	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specifications and directions of Engineer incharge of work.	Sqm	12.19	589.57	7187.70	15.2375	589.57	8983.57	0.00	589.57	0.00	15.24	8983.57
	Quantity Above 125%	Sqm			0.00	13.5963	589.57	8015.91	0.00	589.57	0.00	13.60	8015.91
6	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specifications and directions of Engineer incharge of work.	Sqm	27.18	366.21	9953.50	21.66	366.21	7932.11	0.00	366.21	0.00	21.66	7932.11
7	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated for all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing,complete as per specifications and directions of Engineer incharge of work.	Cum	19.01	6989.78	132885.50	21.9958	6989.78	153745.45	0.00	6989.78	0.00	22.00	153745.45

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Item no	Description of work	Unit	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
8	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs. with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum.with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008. machine mixed, concrete laid in layers not exceeding 15 cms thick.vibrated for all works in ground Floor level for roof slabs .staircase, lintels , beams, retaining walls .return wall, walls (an thivck ness) including attached plasters ,columns, pillars.posts,struts.butters,string or lacing courses .parapets,coping.bed blocks.anchor blocks .plain window cills,fillets including cost of all materials, labour.HOM of machinery. curing,complete as per specifications and directions of Engineer incharge of work. Head Room	Cum	3.72	7057.81	26255.00	3.648	7057.81	25746.89	0.00	7057.81	0.00	3.65	25746.89
9	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25.complete as per specifications and directions of Engineer incharge of work.	Cum	88.56	6232.41	551934.70	85.4561	6232.41	532597.61	0.00	6232.41	0.00	85.46	532597.61

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Item no	Description of work	Unit	Qty as per Quoted Rate			Previous							
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
10	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications and directions of Engineer incharge of work.	Sqm	20.52	573.69	11772.00	16.2	573.69	9293.78	0.00	573.69	0.00	16.20	9293.78
11	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications and directions of Engineer incharge of work. Head Room	Sqm	0.72	579.36	417.10	0.72	579.36	417.14	0.00	579.36	0.00	0.72	417.14
12	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and directions of Engineer incharge of work.	tonne	14.69	74723.17	1097429.30	18.3625	74723.17	1372104.21	0.00	74723.17	0.00	18.36	1372104.21
	Quantity Above 125%	tonne			0.00	1.78629	100808.14	180072.76	0.00	100808.14	0.00	1.79	180072.76

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Item no	Description of work	Unit	Qty as per Quoted Rate										
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
13	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and directions of Engineer incharge of work. Head Room	tonne	1.60	75571.24	121004.60	0.81139	75571.24	61318.12	0.00	75571.24	0.00	0.81	~~61318.12~~ 61212
14	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications and directions of Engineer incharge of work. Qty upto 125%	Sqm	244.20	1113.38	271887.30	241.289	1113.38	~~268645.79~~ 268647	20.95	1113.38	23325.87	262.24	~~291971.66~~
15	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications and directions of Engineer incharge of work. Head Room	Sqm	61.26	1153.06	70636.40	60.12	1153.06	69321.97	0.00	1153.06	0.00	60.12	69321.97

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Item no	Description of work	Unit	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
16	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4. as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc.,complete as per specifications and directions of Engineer incharge of work.	Sqm	87.16	998.86	87061.10	84.42	998.86	84323.76	0.00	998.86	0.00	84.42	84323.76
17	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4. as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc.,complete as per specifications and directions of Engineer incharge of work. Head Room	Sqm	69.21	1038.55	71878.00	75.156	1038.55	78053.26	0.00	1038.55	0.00	75.16	78053.26
18	Providing 18mm thick cement plaster in single coat with cement mortar 1:4. to brick masonry including rounding off corners. wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer incharge of work. Qty upto 125%	Sqm	278.31	323.13	89930.30	297.558	323.13	96149.92	50.33	323.13	16262.97	347.89	112412.89
	Qty above 125%	Sqm							45.95	295.92	13598.66	45.95	13598.66

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Item no	Description of work	Unit	Qty as per Quote			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
			Qnty	Rate	Amount								
19	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners, wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer incharge of work. Head Room	Sqm	199.68	336.73	67238.20	221.99	336.73	74750.69	0.00	336.73	0.00	221.99	74750.69
20	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer incharge of work.	Sqm	501.87	244.90	122907.90	468.441	244.90	114721.20	20.95	244.90	5130.78	489.39	119851.98
21	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer incharge of work. Head room	Sqm	59.70	251.70	15026.40	57.42	251.70	14452.61	0.00	251.70	0.00	57.42	14452.61
22	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications and directions of Engineer incharge of work.	Sqm	68.12	246.03	16760.50	41.25	246.03	10148.74	0.00	246.03	0.00	41.25	10148.74

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Item no	Description of work	Unit	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
23	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer incharge of work. Qty upto 125%	Sqm	384.10	268.71	103211.50	386.484	268.71	103852.12	6.28	268.71	1687.69	392.76	105539.80
24	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer incharge of work. Head Room	Sqm	31.82	275.51	8766.70	30.23	275.51	8328.67	0.00	275.51	0.00	30.23	8328.67
25	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. complete as per specifications and directions of Engineer incharge of work.	Sqm	977.49	88.44	86449.20	873.851	88.44	77283.38	27.23	88.44	2408.33	901.08	79691.71
26	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and directions of Engineer incharge of work.	Sqm	561.57	102.04	57302.60	457.137	102.04	46646.26	20.95	102.04	2137.79	478.09	48784.05

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Item no	Description of work	Unit	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
27	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roofcomplete as per specifications and directions of Engineer incharge of work. Qty upto 125%	Sqm	415.92	133.79	55645.90	416.714	133.79	55752.17	6.28	133.79	840.29	422.99	56592.46
28	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains,complete as per specifications and directions of Engineer incharge of work. Qty upto 125%	Sqm	298.83	403.63	120616.70	299.358	403.63	120829.87	27.51	403.63	11102.04	326.86	131931.91
29	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains,complete as per specifications and directions of Engineer incharge of work. Terrace Floor	Sqm	200.40	412.70	82705.00	221.99	412.70	91615.27	0.00	412.70	0.00	221.99	91615.27

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Item no	Description of work	Unit	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
30	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing,complete as per specifications and directions of Engineer incharge of work. Qty upto 125%	Sqm	363.60	719.95	261774.50	370.143	719.95	266484.45	6.28	719.95	4521.79	376.42	271006.24
31	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing,complete as per specifications and directions of Engineer incharge of work. Head Room	Sqm	30.74	722.22	22201.00	29.15	722.22	21052.71	0.00	722.22	0.00	29.15	21052.71

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Item no	Description of work	Unit	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
32	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm.complete as per specifications and directions of Engineer incharge of work.	Sqm	363.60	2329.93	847164.80	370.284	2329.93	862735.80	0.00	2329.93	0.00	370.28	862735.80
33	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm.complete as per specifications and directions of Engineer incharge of work. Terrace Floor	Sqm	30.74	2332.19	71691.50	29.15	2332.19	67983.34	0.00	2332.19	0.00	29.15	67983.34
34	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.complete as per specifications and directions of Engineer incharge of work.	Sqm	14.56	5056.68	73625.20	18.2	5056.68	92031.58	0.00	5056.68	0.00	18.20	92031.58
	Quantity Above 125%	Sqm			0.00	3.1	5056.68	15675.70	0.00	5056.68	0.00	3.10	15675.70

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Item no	Description of work	Unit	Qty as per Quote										
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
35	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications and directions of Engineer incharge of work.	Sqm	12.82	1376.41	17640.00	13.296	1376.41	18300.75	0.00	1376.41	0.00	13.30	18300.75
36	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour,complete as per specifications and directions of Engineer incharge of work.	Sqm	68.12	1852.60	126206.50	41.25	1852.60	76419.75	0.00	1852.60	0.00	41.25	76419.75

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Item no	Description of work	Unit	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
37	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per specifications and directions of Engineer incharge of work.	Sqm	12.82	596.37	7643.00	13.296	596.37	7929.34	0.00	596.37	0.00	13.30	7929.34
38	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour,complete as per specifications and directions of Engineer incharge of work.	Nos	3.00	1548.75	4646.20	3	1548.75	4646.25	0.00	1548.75	0.00	3.00	4646.25

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Item no	Description of work	Unit	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
39	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer incharge of work.	Cum	0.16	99324.01	15494.50	0.156	99324.01	15494.55	0.00	99324.01	0.00	0.16	15494.55
40	Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer incharge of work.	Cum	0.15	181498.41	26535.00	0.14625	181498.41	26544.14	0.00	181498.41	0.00	0.15	26544.14
41	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer incharge of work.	Sqm	1.89	5362.80	10135.60	1.89	5362.80	10135.69	0.00	5362.80	0.00	1.89	10135.69
42	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer incharge of work. Terrace Floor	Sqm	1.89	5362.80	10135.60	1.89	5362.80	10135.69	0.00	5362.80	0.00	1.89	10135.69

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Item no	Description of work	Unit	Qty as per Quoted [illegible]										
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
43	Providing and fixing in position fully panelled Teak wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer incharge of work.	Sqm	3.15	8106.56	25535.60	3.15	8106.56	25535.66	0.00	8106.56	0.00	3.15	25535.66
44	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame.complete as per specifications and directions of Engineer incharge of work.	m	28.50	519.27	14799.10	28.5	519.27	14799.20	0.00	519.27	0.00	28.50	14799.20

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Item no	Description of work	Unit	Qty as per Quoted Rate										
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
45	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS	Sqm	7.88	4317.45	33999.90	7.875	4317.45	33999.92	0.00	4317.45	0.00	7.88	33999.92
46	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications and directions of Engineer incharge of work.	Sqm	6.69	109.98	735.70	6.69	109.98	735.77	0.00	109.98	0.00	6.69	735.77

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Item no	Description of work	Unit	Qty as per Quoted Rate										
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
47	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul	Sqm	44.55	5041.94	224618.40	35.55	5041.94	179240.97	0.00	5041.94	0.00	35.55	179240.97
48	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and directions of Engineer incharge of work.	Kg	935.55	121.31	113491.50	746.55	121.31	90563.98	0.00	121.31	0.00	746.55	90563.98

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Item no	Description of work	Unit	Qty as per Quoted Rate									
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
49	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications and directions of Engineer incharge of work.	Sqm	89.10	107.71	9596.90	71.1	107.71	7658.18	0.00	107.71	0.00	71.10	7658.18
50	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications and directions of Engineer incharge of work.	Sqm	20.50	6840.12	140236.10	17.532	6840.12	119920.98	0.00	6840.12	0.00	17.53	119920.98

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Item no	Description of work	Unit	Qty as per Quoted Rate			Previous							
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
51	Fabricating. providing and erecting in position Hot dip galvanized Gate. Using 72x72x4.8 mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq.rod for verticals at 150mm c/c . as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanized flats.The work is inclusive of throughing GI, Flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like GI Sq. GI Pipe, GI Forged designs etc.. heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes, with all lead and lift, loading,	Sqm	8.16	13096.29	106865.70	0	13096.29	0.00	10.20	13096.29	133582.16	10.20	133582.16
	Qty above 125%								1.87	13096.29	24522.80	1.87	24522.80

24490.00 24490.00

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